



Tenth Users Meeting for the Advanced Photon Source

Comprehensive Program

Monday, May 1, 2000

- 2:00–5:00 pm **APS Research Directorate Meeting**, Bldg. 401, A5000
- 2:00–5:00 pm **Exhibitor Set-up**, Bldg. 402, Gallery

Tuesday, May 2, 2000

- 7:30 am–5:00 pm **Registration**, Bldg. 402, Lobby
- 8:00 am–5:00 pm **Poster Set-up**, Bldg. 402, Lower-level patio, under the tent
- 8:00 am–5:00 pm **Exhibits**, Bldg. 402, Gallery
- 8:30 am–Noon **Workshop 1:** Introduction to the Advanced Photon Source
Bldg. 401, Room A1100
- 8:30–11:30 am **Workshop 2:** Biological Studies for the 21st Century (Part 1)
Bldg. 402, Rooms E-1100/1200
- 8:00 am–Noon **Workshop 3:** Probing Dynamics with X-rays (Part 1)
Bldg. 402, Lecture Hall
- 10:00 am **Refreshments**, Bldg. 402, Gallery
- Noon–1:30 pm **Lunch**, Bldg. 402, Lower-level patio, under the tent
- 1:30–5:00 pm **Workshop 2:** Biological Studies for the 21st Century (Part 2)
Bldg. 402, Rooms E-1100/1200
- 1:00–2:30 pm **Workshop 3:** Probing Dynamics with X-rays (Part 2)
Bldg. 402, Lecture Hall
- 1:00–4:10 pm **Workshop 4:** APS Innovations in Instrumentation
Bldg. 401, Room A1100
- 3:00 pm **Refreshments**, Bldg. 402, Gallery
- 3:00–5:45 pm **Sunil K. Sinha *Festschrift***, Bldg. 402, Lecture Hall
- 5:00–7:00 pm **Reception and Poster Session**, Bldg. 402, Lower-level patio, under the tent

Wednesday, May 3, 2000

8:00 am–5:00 pm **Registration**, Bldg. 401, Atrium

8:00 am–5:00 pm **Exhibits**, Bldg. 402, Gallery

Opening Session; Bldg. 402, Lecture Hall; Steven Dierker, Chair

8:30–8:35 am *Welcome*, Steven Dierker, Chair, APS Users Organization

8:35–8:45 am *Welcome*, David Moncton, Associate Laboratory Director for the Advanced Photon Source

8:45–9:15 am *DOE Perspective*, Pat Dehmer, Director, Office of Basic Energy Sciences, U.S. Department of Energy

9:15–9:50 am *APS Update*, John Galayda, Deputy Associate Laboratory Director for the Advanced Photon Source

9:50–10:30 am *Accelerator R&D in Support of User Operations*
Glenn Decker, Diagnostics Group Leader, Accelerator Systems Division, Advanced Photon Source

10:30–10:45 am *What APS Improvements Will Help Your Research?* Dennis Mills, User Program Division Director, Advanced Photon Source

10:45–11:15 am **Refreshments**, Bldg. 402, Gallery

11:15 am–Noon *APS Compton Award and Acceptance Talk*
David Moncton and Steven Dierker, Presenters
Sunil K. Sinha, Recipient

Noon–1:30 pm **Lunch**, Bldg. 402, Lower-level patio, under the tent

User Science at the APS – Session I; Bldg. 402, Lecture Hall; Eric Isaacs, Chair

1:30–2:15 pm *Tour de Force in Structural Biology – in Memory of Paul Sigler (1934–2000)*
Andrzej Joachimiak, Biosciences Division, Argonne National Laboratory

2:15–2:55 pm *Protein Folding Dynamics Measured by Sub-millisecond Small-angle Scattering*
Lois Pollack, Cornell University

2:55–3:25 p.m. **Refreshments**, Bldg. 402, Gallery

3:25–4:05 pm *Searching for Life in the Universe: New Approaches Based on New Knowledge and Technology*
Kenneth Nealson, Jet Propulsion Laboratory

4:05–4:45 pm *Synchrotron X-ray Studies of Environmental Processes*
Gordon Brown, Stanford University

5:00 pm **Buses leave for Banquet**
Buses will board in front of the APS Conference Center

6:15 pm **Reception and Banquet**
Adler Planetarium & Astronomy Museum, Chicago, IL

10:00 pm **Buses depart for Argonne**

Thursday, May 4, 2000

8:00 am–3:00 pm **Exhibits**, Bldg. 402, Gallery

User Science at the APS – Session II; Bldg. 402, Lecture Hall; Steven Dierker, Chair

8:30–9:10 am *Jerome Cohen, My Friend and Mentor*
Lyle Schwartz, U.S. Air Force Office of Scientific Research

9:10–9:50 am *X-ray Scattering Studies of Magnetic Interface Roughness and Magnet Domains*
Christie Nelson, Brookhaven National Laboratory

9:50–10:20 am *Materials Science using Submicron-resolution Polychromatic X-ray Diffraction*
John Budai, Oak Ridge National Laboratory

10:20–10:40 am **APSUO Steering Committee Election**

10:40–11:10 am **Refreshments**, Bldg. 402, Gallery

11:10–11:30 am *APS Users Organization Retrospective and Perspective*
Steven Dierker, Outgoing Chair, APS Users Organization

11:30–Noon **Announcement of Poster Competition Winners and
APSUO Steering Committee Election Results**
Eric Isaacs, Incoming Chair, APS Users Organization

Noon–1:30 pm **Joint Meeting of the Incoming and Outgoing APS Users Organization Steering Committees**,
Bldg. 401, A5000

Noon–1:30 pm **Lunch**, Bldg. 402, Lower-level patio, under the tent

1:30–5:00 pm **Workshop 5:** Environmental Studies, Bldg. 401, A1100

Workshop 6: Microbeam Techniques and Applications, Bldg. 402, Lecture Hall